

Amendments to the Claims

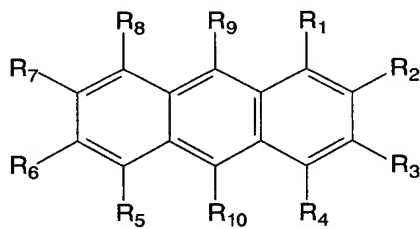
Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) An organic light-emitting device, comprising a substrate, an anode, and a cathode disposed over the substrate, and a luminescent layer disposed between the anode and the cathode wherein the luminescent layer includes a host and at least one dopant, the host of the luminescent layer is selected to include a solid organic material comprising a mixture of at least two components, wherein the first component is a non-emissive organic compound containing an aminoanthracene, and the second component of the mixture contains an organic compound having a dipole moment larger than that of the first component, wherein the dopant has a bandgap smaller than that of both the first and second components of the host and provides emission centers wherein the dopant produces blue, blue-green, green, green-yellow, or yellow where-light without producing substantial components of red light is generated.

2. (Currently amended) An organic light-emitting device, comprising:

- a substrate;
- an anode and a cathode disposed over the substrate;
- a luminescent layer disposed between the anode and the cathode wherein the luminescent layer includes a host and at least one dopant;
- the host of the luminescent layer being selected to include a solid organic material comprising a mixture of at least two components wherein:
 - the first component of the mixture contains a non-emissive aminoanthracene compound of the formula:



wherein:

R₁ to R₁₀ are individually hydrogen, fluoro, halogen, hydroxy, nitro, cyano, unbranched alkyl or substituted unbranched alkyl of from 1 to 24 carbon atoms, branched alkyl or substituted branched alkyl of from 1 to 24 carbon atoms, cyclic alkyl or substituted cyclic alkyl of from 1 to 24 carbon atoms, aryl or substituted aryl of from 5 to 40 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy or substituted alkoxy, aryloxy or substituted aryloxy, aromatic hydrocarbon or substituted aromatic hydrocarbon and at least one of R₁ to R₁₀ is diarylamino, arylalkylamino, or dialkylamino, and

ii) the second component of the mixture contains an organic compound having a dipole moment larger than that of the first component; and

e) the dopant of the luminescent layer having a bandgap smaller than that of both the first and second components of the host and providing emission centers wherein the dopant produces blue, blue-green, green, green-yellow, or yellow where light without producing substantial components of red light is generated from the light-emitting device.

3. (Original) The organic light-emitting device of claim 2 wherein the first component of the host constitutes at least 1% by volume of the luminescent layer.

4. (Original) The organic light-emitting device of claim 2 wherein the first component of the host constitutes preferably 25-75% by volume of the luminescent layer.

5. (Original) The organic light-emitting device of claim 2 wherein the second component includes an oxinoid compound.

6. (Previously Presented) The organic light-emitting device of claim 5 wherein the second component includes AlQ₃.

7. (Original) The organic light-emitting device of claim 2 wherein the second component of the host constitutes preferably 75-25% by volume of the luminescent layer.

8. (Original) The organic light-emitting device of claim 2 wherein the dopant concentration in the luminescent layer is between 0.1 and 10% by volume.

9. (Original) The organic light-emitting device of claim 2 wherein the dopant includes a coumarin dye.

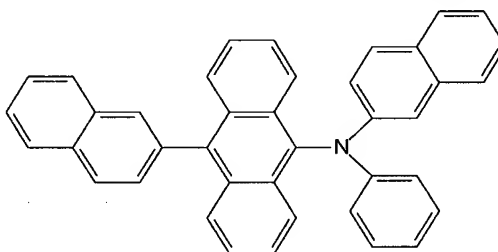
10. (Original) The organic light-emitting device of claim 9 wherein the dopant includes C-6, C-545T, or C-525T.

11. (Original) The organic light-emitting device of claim 2 wherein the dopant includes a quinacridone dye.

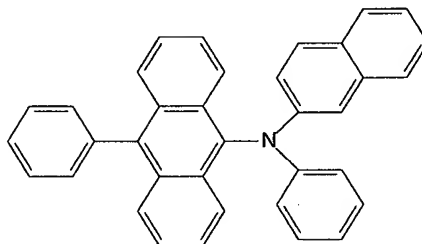
12. (Original) The organic light-emitting device of claim 11 wherein the dopant includes QA, DMQA, CFDMQA, or DPQA.

13. (Cancelled)

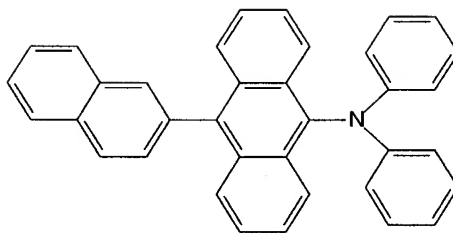
14. (Original) The organic light-emitting device of claim 2 wherein the first component of the host includes a compound of the formula:



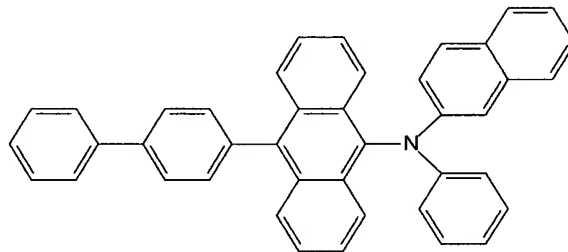
15. (Withdrawn) The organic light-emitting device of claim 2 wherein the first component of the host includes a compound of the formula:



16. (Withdrawn) The organic light-emitting device of claim 2 wherein the first component of the host includes a compound of the formula:

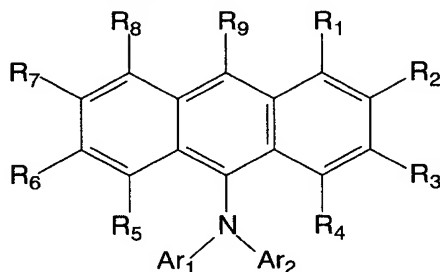


17. (Withdrawn) The organic light-emitting device of claim 2 wherein the first component of the host includes a compound of the formula:



18. (Currently amended) An organic light-emitting device, comprising:

- a) a substrate;
- b) an anode and a cathode disposed over the substrate;
- c) a luminescent layer disposed between the anode and the cathode wherein the luminescent layer includes a host and at least one dopant;
- d) the host of the luminescent layer being selected to include a solid organic material comprising a mixture of at least two components wherein:
 - i) the first component of the mixture contains a non-emissive_aminanthracene compound of the formula:



wherein:

R_1 to R_9 are individually hydrogen, fluoro, halogen, hydroxy, nitro, cyano, unbranched alkyl or substituted unbranched alkyl of from 1 to 24 carbon atoms, branched alkyl or substituted branched alkyl of from 1 to 24 carbon atoms,

cyclic alkyl or substituted cyclic alkyl of from 1 to 24 carbon atoms, aryl or substituted aryl of from 5 to 40 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy or substituted alkoxy, aryloxy or substituted aryloxy, aromatic hydrocarbon or substituted aromatic hydrocarbon; Ar₁ and Ar₂ are individually aryl or substituted aryl of from 5 to 40 carbon atom; and

ii) the second component of the mixture contains an organic compound having a dipole moment larger than that of the first component; and

e) the dopant of the luminescent layer having a bandgap smaller than that of both the first and second components of the host and providing emission centers wherein the dopant produces blue, blue-green, green, green-yellow, or yellow where light without producing substantial components of red light is generated from the light-emitting device.

19. (Original) The organic light-emitting device of claim 18 wherein the first component of the host constitutes at least 1% by volume of the luminescent layer.

20. (Original) The organic light-emitting device of claim 18 wherein the first component of the host constitutes preferably 25-75% by volume of the luminescent layer.

21. (Original) The organic light-emitting device of claim 18 wherein the second component includes an oxinoid compound.

22. (Previously Presented) The organic light-emitting device of claim 21 wherein the second component includes AlQ₃.

23. (Original) The organic light-emitting device of claim 18 wherein the second component of the host constitutes preferably 75-25% by volume of the luminescent layer.

24. (Original) The organic light-emitting device of claim 18 wherein the dopant concentration in the luminescent layer is between 0.1 and 10% by volume.

25. (Original) The organic light-emitting device of claim 18 wherein the dopant includes a coumarin dye.

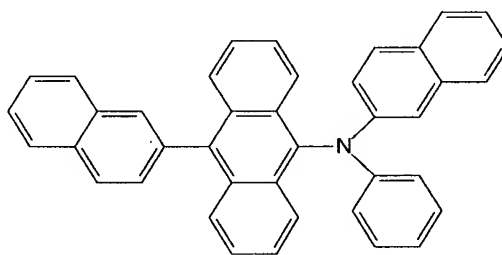
26. (Original) The organic light-emitting device of claim 25 wherein the dopant includes C-6, C-545T, or C-525T.

27. (Original) The organic light-emitting device of claim 18 wherein the dopant includes a quinacridone dye.

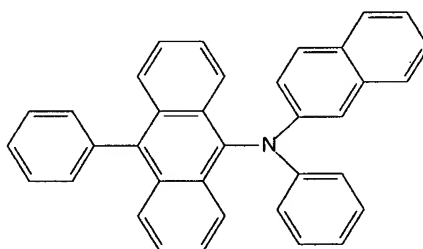
28. (Original) The organic light-emitting device of claim 27 wherein the dopant includes QA, DMQA, CFDMQA, or DPQA.

29. (Cancelled)

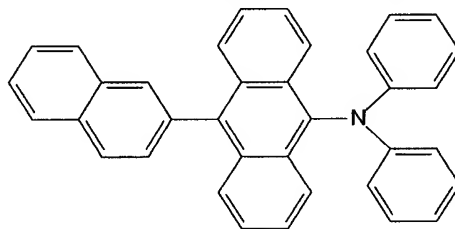
30. (Original) The organic light-emitting device of claim 18 wherein the first component of the host includes a compound of the formula:



31. (Withdrawn) The organic light-emitting device of claim 18 wherein the first component of the host includes a compound of the formula:



32. (Withdrawn) The organic light-emitting device of claim 18 wherein the first component of the host includes a compound of the formula:



33. (Withdrawn) The organic light-emitting device of claim 18 wherein the first component of the host includes a compound of the formula:

